

**AMENDMENTS TO THE CLAIMS:**

The following listing replaces all previous versions, or listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently Amended) A ~~topically applicable cosmetic/dermatological composition comprising~~ regime or regimen as defined by Claim 27, wherein said (i) at least one hydrolase polypeptide having amidase activity, or precursor thereof, and said (ii) at least one product capable of modulating the activity activator of said at least one hydrolase polypeptide (i), are formulated into (iii) a topically applicable, physiologically acceptable medium therefor to form a topically applicable cosmetic/dermatological composition which is applied to said skin.
2. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by Claim 1, wherein said at least one hydrolase polypeptide having amidase activity ~~comprising~~ comprises a polypeptide having aspartylglucosaminidase activity, or precursor thereof.
3. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by Claim 2, wherein said polypeptide having aspartylglucosaminidase activity ~~being~~ is selected from the group consisting of:
  - (a) a polypeptide of human origin or a homologue of said polypeptide having aspartylglucosaminidase activity;

(b) an enzymatic or biomimetic analogue of said polypeptide (a), having aspartylglucosaminidase activity;

(c) a fragment of said polypeptide (a), said fragment having aspartylglucosaminidase activity;

(d) a polypeptide or an enzymatic analogue or fragment of polypeptide (a), (b) or (c) in an active form of the heterodimer or heterotetramer type; and

(e) a modified polypeptide or a modified enzymatic analogue or a modified polypeptide fragment (a), (b) or (c).

4. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by Claim 3, ~~comprising~~ wherein said composition comprises a polypeptide of human origin having aspartylglucosaminidase activity, isolated and purified from the *stratum corneum* of the human epidermis and having an apparent molecular mass ranging from 10 to 50 kD.

5. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by Claim 4, wherein said apparent molecular mass ~~ranging~~ ranges from 15 to 48 kD.

6. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by Claim 5, wherein said apparent molecular mass ~~ranging~~ ranges from 15 to 24 kD.

7. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by Claim 1, wherein said at least one hydrolase polypeptide having amidase activity ~~comprising~~ comprises a polypeptide of natural origin.
8. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by Claim 1, wherein said at least one hydrolase polypeptide having amidase activity ~~comprising~~ comprises a recombinant polypeptide.
9. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by Claim 1, wherein said at least one hydrolase polypeptide having amidase activity ~~comprising~~ comprises from  $10^{-6}$  to 5% by weight thereof of the composition.
10. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by Claim 1, wherein said at least one hydrolase polypeptide having amidase activity ~~comprising~~ comprises from  $10^{-4}$  to 1% by weight thereof of the composition.
11. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by Claim 1, wherein said at least one hydrolase polypeptide having amidase activity ~~comprising~~ comprises from 0.001% to 0.1% by weight of the composition.
12. (Cancelled)

13. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by ~~Claim 12~~ Claim 1, wherein said activator ~~comprising~~ comprises from 0.01% to 50% by weight thereof of the composition.

14. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by Claim 12, wherein said activator ~~comprising~~ comprises from 0.1% to 1% by weight thereof of the composition.

15. (Cancelled)

16. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by ~~Claim 15~~, Claim 1, wherein said composition further ~~comprising~~ comprises at least one other desquamating agent.

17. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by Claim 16, wherein said composition further ~~comprising~~ comprises at least one  $\beta$ -hydroxy acid;  $\alpha$ -hydroxy acid;  $\alpha$ - or  $\beta$ -keto acid; urea; gentisic acid; oligofucoses; cinnamic acid; Saphora japonica extract; resveratrol or derivative thereof; glycosidase, *stratum corneum* chymotryptic enzyme (SCCE) or other serine or cysteine protease; chelating agent; aminosulphonic compound; sugar derivative; reducing agent and/or retinoid.

18.-20. (Cancelled)

21. (Currently Amended) The ~~cosmetic/dermatological composition~~ regime or regimen as defined by Claim 1, wherein said composition further ~~comprising~~ comprises at least one moisturizing agent; propigmenting agent; agent stimulating the synthesis of dermal or epidermal macromolecules and/or preventing the degradation thereof; agent stimulating the proliferation or differentiation of keratinocytes; relaxing agent; antipollution and/or anti-free radical agent; UV-screening agent; permeating agent; cicatrizing agent; ~~and mixtures~~ or mixture thereof.

22.-23. (Cancelled)

24. (Currently Amended) A regime or regimen as defined by Claim 27 for promoting desquamation of the skin and/or for promoting hydration of the skin and/or for promoting cell renewal in the skin and/or for promoting cell proliferation in the skin and/or for promoting cell differentiation in the skin and for thus treating the treatment of hyperkeratosis, xerosis, ichthyosis, psoriasis or reactive keratosis, comprising topically applying onto the skin, ~~mucous membranes and/or keratinous fibers~~ of an individual in need of such treatment, thus effective amounts of (i) at least one hydrolase polypeptide having amidase activity, or precursor thereof, and (ii) at least one activator of said at least one hydrolase polypeptide (i).

25. (Currently Amended) A regime or regimen as defined by Claim 27 for promoting desquamation of the skin and/or for promoting hydration of the skin and/or for promoting cell renewal in the skin and/or for promoting cell proliferation in the skin

and/or for promoting cell differentiation in the skin and for thus promoting  
cicatrizization, comprising topically applying onto the skin, ~~mucous membranes and/or~~  
~~keratinous fibers~~ of an individual in need of such treatment, thus effective amounts of  
(i) at least one hydrolase polypeptide having amidase activity, or precursor thereof,  
and (ii) at least one activator of said at least one hydrolase polypeptide (i).

26. (Cancelled)

27. (Currently Amended) A regime or regimen for promoting desquamation of the  
skin and/or for promoting hydration of the skin and/or for promoting cell renewal in  
the skin and/or for promoting cell proliferation in the skin and/or for promoting cell  
differentiation in the skin of an individual in need of such treatment, comprising  
topically applying thereon thus effective amounts of (i) at least one hydrolase  
polypeptide having amidase activity, or precursor thereof, and (ii) at least one  
activator of said at least one hydrolase polypeptide (i).

28. (Currently Amended) A regime or regimen as defined by Claim 27 for  
promoting desquamation of the skin and/or for promoting hydration of the skin and/or  
for promoting cell renewal in the skin and/or for promoting cell proliferation in the skin  
and/or for promoting cell differentiation in the skin and for thus facilitating the  
penetration into the skin of a cosmetic/dermatological active agent, comprising,  
therewith, topically applying ~~thereon~~ onto the skin of an individual in need of such  
treatment thus effective amounts of (i) at least one hydrolase polypeptide having

amidase activity, or precursor thereof, and (ii) at least one activator of said at least one hydrolase polypeptide (i).

29. (Currently Amended) A regime or regimen as defined by Claim 27 for promoting desquamation of the skin and/or for promoting hydration of the skin and/or for promoting cell renewal in the skin and/or for promoting cell proliferation in the skin and/or for promoting cell differentiation in the skin and for thus combating bacterial adhesion to the skin, comprising topically applying onto the skin of an individual in need of such treatment, thus effective amounts of (i) at least one hydrolase polypeptide having amidase activity, or precursor thereof, and (ii) at least one activator of said at least one hydrolase polypeptide (i).

30.-31. (Cancelled)

32. (Currently Amended) A regime or regimen for promoting desquamation of the skin and/or for promoting hydration of the skin and/or for promoting cell renewal in the skin ~~and/or cell proliferation and/or differentiation in the skin~~ of an individual in need of such treatment, comprising topically applying thereon a thus effective amount of at least one compound selected from the group consisting of (i) a hydrolase polypeptide having amidase activity, or precursor thereof, and (ii) an activator of said hydrolase polypeptide.

33. (New) A regime or regimen as defined by Claim 27, wherein said at least one hydrolase polypeptide having amidase activity is at least one compound selected

from the group consisting of asparaginase, glutaminase, amidase, urease, aminoacylase, aspartoacylase, ceramidase, peptidyl-glutaminase, formamidase, pentanamidase and aspartylglucosaminidase AGA.

34. (New) A regime or regimen as defined by Claim 32, wherein said at least one hydrolase polypeptide having amidase activity is at least one compound selected from the group consisting of asparaginase, glutaminase, amidase, urease, aminoacylase, aspartoacylase, ceramidase, peptidyl-glutaminase, formamidase, pentanamidase and aspartylglucosaminidase AGA.

35. (New) A regime or regimen as defined by Claim 1, wherein said at least one hydrolase polypeptide having amidase activity is at least one compound selected from the group consisting of asparaginase, glutaminase, amidase, urease, aminoacylase, aspartoacylase, ceramidase, peptidyl-glutaminase, formamidase, pentanamidase and aspartylglucosaminidase AGA.

36. (New) A regime or regimen as defined by Claim 16, wherein said at least one hydrolase polypeptide having amidase activity is at least one compound selected from the group consisting of asparaginase, glutaminase, amidase, urease, aminoacylase, aspartoacylase, ceramidase, peptidyl-glutaminase, formamidase, pentanamidase and aspartylglucosaminidase AGA.

37. (New) A regime or regimen as defined by Claim 17, wherein said at least one hydrolase polypeptide having amidase activity is at least one compound selected



from the group consisting of asparaginase, glutaminase, amidase, urease, aminoacylase, aspartoacylase, ceramidase, peptidyl-glutaminase, formamidase, pentanamidase and aspartylglucosaminidase AGA.

38. (New) A regime or regimen as defined by Claim 21, wherein said at least one hydrolase polypeptide having amidase activity is at least one compound selected from the group consisting of asparaginase, glutaminase, amidase, urease, aminoacylase, aspartoacylase, ceramidase, peptidyl-glutaminase, formamidase, pentanamidase and aspartylglucosaminidase AGA.

39. (New) A regime or regimen as defined by Claim 24, wherein said at least one hydrolase polypeptide having amidase activity is at least one compound selected from the group consisting of asparaginase, glutaminase, amidase, urease, aminoacylase, aspartoacylase, ceramidase, peptidyl-glutaminase, formamidase, pentanamidase and aspartylglucosaminidase AGA.

40. (New) A regime or regimen as defined by Claim 25, wherein said at least one hydrolase polypeptide having amidase activity is at least one compound selected from the group consisting of asparaginase, glutaminase, amidase, urease, aminoacylase, aspartoacylase, ceramidase, peptidyl-glutaminase, formamidase, pentanamidase and aspartylglucosaminidase AGA.

41. (New) A regime or regimen as defined by Claim 28, wherein said at least one hydrolase polypeptide having amidase activity is at least one compound selected

from the group consisting of asparaginase, glutaminase, amidase, urease, aminoacylase, aspartoacylase, ceramidase, peptidyl-glutaminase, formamidase, pentanamidase and aspartylglucosaminidase AGA.

42. (New) A regime or regimen as defined by Claim 29, wherein said at least one hydrolase polypeptide having amidase activity is at least one compound selected from the group consisting of asparaginase, glutaminase, amidase, urease, aminoacylase, aspartoacylase, ceramidase, peptidyl-glutaminase, formamidase, pentanamidase and aspartylglucosaminidase AGA.